

NCLE

Laser Certifications - Candidate Handbook



National Council on Laser Excellence

www.LaserCertification.org

NCLE LASER CERTIFIED™

Laser Certification for Health Care & Aesthetic Professionals

Medical Laser Safety Officer, Laser Repair Technician,
Laser Operators in the areas of Surgical, Aesthetic, and Light Based Hair Removal,
and Product Specific Laser Technology Certifications.

Participating Organizations:



Board of the Laser Institute of America
Certified Medical Laser Safety Officer



International Aesthetic & Laser Association
Certified Laser Hair Removal Provider

NCLE Laser Certifications: Non-Profit Credentialing of Laser Users since "2000"
V090424

NCLE

Candidate Handbook

*This handbook contains applications and important information for ALL NCLE credentialing programs.
You may wish to retain this information for future reference.*

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The National Council on Laser Excellence is a credentialing board of the nonprofit Professional Medical Education Assn, inc., est. 1978, incorporated 1980.

(The designations of NCLE Laser Certified, NCLE, CLRT, CMLSO, CLA, CLO-A, are trademarks of Professional Medical Education Association, inc. and National Council on Laser Excellence. CLHRP is a trademark of the International Aesthetic & Laser Association).

Eligibility, Training and Testing:

This handbook spells out the eligibility requirements for proctored testing and subsequent full certifications. A specified number of hours of accredited academic training are required in order to sit for the examination itself. These training hours may be accumulated or accomplished in one training or home-study/online course, and the training may be acquired from any accredited training course (contact hours or credits given for nursing, physician CME, technical or any other body or company that provides accredited certificates.) In addition there are experience and background requirements, and/or documentation of clinical cases that are required to meet the full Certification requirements. Once one has passed the examination they are considered a Certification “Candidate” and receive the appropriate Certificate. Once documentation is provided to fulfill the other requirements their Certificate is converted into a full Laser Certification.

In addition to more than 755 exam proctors available worldwide through ETA International, the following affiliated International, United States and Regional training programs are authorized to offer the Certification Review and Exams at the end of their training:

<p>International Aesthetic & Laser Association (various proctors within the member organizations of the Association) http://InternationalLaserAssociation.org</p>	<p>The Laser Training Institute™ Professional Medical Education Association www.LaserTraining.org (Parent Non-Profit Company of the NCLE Credentialing Board)</p>
<p>Avante Laser Training Institute The Woodlands, TX</p>	<p>Rockwell Laser Industries www.RLI.com</p>
<p>Elite Laser Training St Louis MO www.EliteLaserTraining.com</p>	<p>Board of Laser Safety Laser Institute of America www.LaserSafety.org</p>
<p>San Jose Community College San Jose, CA www.sjcc.edu</p>	<p>World Association of Laser Applications Riyadh, Kingdom of Saudi Arabia www.laser-wala.com</p>
<p>Dr. Alan Kok Singapore ale030@gmail.com</p>	<p>Please contact us if you'd like consideration given to your program for an NCLE affiliation. info@LaserCertification.org</p>

The NCLE

The National Council on Laser Excellence (NCLE) is a Non-Profit Credentialing Board providing voluntary Laser Certification as a Professional Credential based upon standardized testing and eligibility standards. It operates under the auspices of the parent organization, Professional Medical Education Association, which is a federally recognized 501 C3, tax exempt, nonprofit, private foundation founded in 1978 and incorporated as a non for profit in 1980. The NCLE incorporates other member organizations who manage laser certification programs in various areas of health care and for laser use.

The NCLE standards for laser certification are governed by an appointed Council Board with individual members representing areas of certification (ie; Laser Repair, Laser Operator/Surgical, etc.) and are comprised of representatives from Hospitals, Laser Manufacturers, Laser Service Organizations, Nurses, Aestheticians, and member organizations.

This Handbook

This handbook and the supplemental materials enclosed with it were developed to help you apply and prepare for NCLE credentialing examinations. Collectively, they contain the NCLE's admissions and examination policies, applications for testing and other important information about the content of the respective examinations. These materials are in no way a substitute for a thorough education or your commitment to study, but they can help you increase your confidence and ability to perform well on the examinations.

Detailed content outlines and applications for each NCLE examination are provided on the website. Specific Certification Review outlines for each type of Laser Certification is available on the "Study Materials" page of www.LaserCertification.org, and Applications on that page.

Since the Laser Certifications available through the NCLE may be used by various states as a requirement for State Licensing, *clinically related* questions concerning laser tissues interactions and safety practices will be asked. This relates to certifications for laser hair removal and aesthetic laser operator, but does not apply to certifications for medical laser safety officer, laser repair technician or surgical laser operator.

Nondiscrimination Policy

The NCLE does not discriminate among applicants on the basis of age, gender, race, religion, national origin, disability or marital status.

Testing Agency

Electronic Technicians Association – International (ETA-Intl) is a worldwide professional association that has been instrumental in certifications and test administration since 1978. They are affiliated with and work closely with the International Certification Accreditation Association (ICAC). References to the testing agency in this publication refer to ETA-Intl. www.eta-i.org. Note that the Laser Safety Officer Examinations administered by the Board of Laser Safety (BLS) currently (2009) utilize a different testing agency. Details are available on the BLS website at www.LaserSafety.org.

Disclaimer and Clinical Licensing Issues

NCLE Laser Certifications are not intended to be a certification of, nor indication of competency in performing medical or aesthetic procedures, including laser hair removal, dermatological or surgical procedures. Such medical certification and licensing is regulated by State Medical Boards and various State Agencies. Individuals desiring to perform patient treatments with lasers and intense pulsed light and LED

sources must comply with the requirements of the various agencies in their own state. NCLE Laser Certification does not constitute a license to practice medicine.

NCLE Laser Certifications are primarily directed toward non-physicians working with various health care laser systems. Physician applications are accepted, and such certifications do reflect academic achievement in the area, but with the explicit acknowledgement by the applicant that such NCLE Laser Certifications imply no affiliation whatsoever with Board Certifications of the American Board of Medical Specialties nor any Medical or Medical Specialty Certification whatsoever.

NCLE National Laser Certifications are primarily professional credentials that indicate a base level of competency in safely operating medical laser equipment by indicating a working knowledge of the basic underlying physical principles and safety involved with medical laser systems, and relevant clinical issues for hair removal and aesthetic certifications, by the holder of the NCLE Laser Certified™ designation. It also indicates a working knowledge of the physical parameters of energy delivery and tissue effects of various lasers used as a basis for patient safety in patient treatment, which the applicant would gain in further study and hands-on clinical experience evidenced in the NCLE/IALA Laser Hair Removal Certification.

NCLE National Laser Certification may be used as a prerequisite for the various State licensing agencies regulating medical and aesthetic laser procedures. The NCLE Certification is adjunctive to the medical certification or licensing process. Some States may opt to require a National Laser Certification, in addition to specific additional clinical experience, as part of an application for licensing in that State. The NCLE will assist State agencies with integrating the Laser Certification process into the agencies other licensing requirements. Each State's requirements will vary. Consult with your own State Medical Board for information on which agency regulates medical laser use for your area of interest.

NCLE Examinations and Admissions Policies:

Successful Candidates will earn the right to utilize the following designations:

- CLRT – Certified Laser Repair Technician
- CMLSO – Certified Medical Laser Safety Officer – (Board of Laser Safety)
- CLA – Certified Laser Assistant (Medical/Surgical)
- CLO/A – Certified Laser Operator / Aesthetic
- CLHRP – Certified Laser Hair Removal Provider
– (International Aesthetic & Laser Association)
- NCLE Technology Certification – NCLE Laser Certified™
Laser and related product training certification in conjunction with manufacturer training.

Successful Candidates in any of these categories earn the right to utilize the designation “NCLE Laser Certified™”, by the NCLE.

Certification Candidates (testing only) – All Categories.

Applicants may take the written examination (if qualified) before meeting the other certification requirements such as the experience level or clinical cases. Applicants passing the written examination but waiting to complete the other Certification requirements earn the status of “Certification Candidate”. It should be noted that some States require only academic training to meet State licensing requirements and this Certification Candidate level would be evidence of meeting those requirements.

Clarification of Terminology – In order to be consistent with the A.N.S.I. 136.3 Standards for the Safe Use of Lasers in Health Care Facilities, the term “Laser Operator” shall mean the individual clinically applying the laser energy to the patient/client, and the term “Laser Assistant” shall mean the individual solely operating the laser control panel for the laser operator (usually the surgeon in a sterile field).

Individuals that do not meet the full eligibility requirements (primarily due to lack of time in the field, or of submitted cases for hair removal or aesthetics) for Laser Certification may take the proctored examination

and, if successful, have 5 years from the date of the examination to meet the remaining eligibility requirements and make final application for such Certification, without having to retake the examination. They may carry a Certification Candidate card which indicates their successful completion of the written examination and their pending full Certification. To qualify to take any NCLE written certification examination, applicants must meet the following documented educational requirements for their specific Certification designation:

Documented attendance at a formal Laser Course(s) of:

- 4 hours or more (single or collectively) for CLA (Laser Assistant – Medical/Surgical)
- 15 hours or more (single or collectively) for CMLSO, (Laser Safety Officer)
- 16 hours or more (single or collectively) for CLHRP (Laser/Light Hair Removal)
- 24 hours or more (single or collectively) for CLO/A (Aesthetic Laser Operator)
- 40 hours or more (single or collectively) for CLRT (Repair Technician)

IF THESE TRAINING REQUIREMENTS ARE MET, YOU MAY SIT FOR THE WRITTEN LASER CERTIFICATION EXAMINATION PRIOR TO MEETING THE ADDITIONAL EXPERIENCE REQUIREMENTS FOR FULL CERTIFICATION.

Full NCLE LASER CERTIFICATION - REQUIREMENTS:

CLRT – Certified Laser Repair Technician

The CLRT Examination is designed to objectively measure essential knowledge, skills and abilities required of entry level Laser Repair Technicians. Candidates include biomedical engineers, technicians or those simply mechanically inclined and trained to work on lasers. The certification is intended to meet the A.N.S.I. 136.3 requirement that laser service technicians obtain training in both laser safety, and technical repair procedures commensurate with the level of work they will be performing.

The examination consists of 155 multiple-choice questions distributed among 13 major content areas: Laser & Energy Concepts, Types of lasers, Laser Safety, Laser delivery systems, Power Supplies, Cooling systems, Optics & common alignments, Calibration & requirements, CO2 lasers & subsystems, Solid State lasers & subsystems, Ion lasers & subsystems, Diode lasers & subsystems, Regulations and Standards. The time to complete these questions is four (4) hours.

CLRT Requirements (Effective April 7, 2000)

In addition to the successful completion of the proctored examination, applicants for NCLE Laser Certification as a Laser Repair Technician must meet eligibility requirements by evidencing:

1. Applicants shall be 18 years of age or older.
2. Applicants shall satisfy the following experience requirement:
 - a. 2 years full time laser repair work prior to the date of application supported by reasonable documentation of experience. (This experience does not have to be full time if working in a health care facility if the application is accompanied by a letter from the institution or supervisor stating that maintenance of inhouse lasers has been a responsibility of the applicant.)
3. Applicants shall satisfy ONE of the following background/educational requirements:
 - a. An Associate or higher degree in a Technology Discipline (i.e., electronics, laser, biomedical, etc.),
OR –
 - b. Electronics Technology with Military or OJT experience,
OR –
 - c. CBET or other ICC or technical certification,
OR –

- d. some combination of all of the above, indicating substantial background,
4. Documented attendance of 40 hours or more (singularly or collectively) at formal Laser Maintenance courses including home study or distance learning.

CMLSO – Certified Medical Laser Safety Officer

This program is administered by the Board of Laser Safety (BLS) of the Laser Institute of America. Applicants who attend a training program of The Laser Training Institute™ of Professional Medical Education Association may take this exam at the conclusion of the course. All other applicants must apply through the BLS directly and schedule the examination at one of their proctored centers. The CMLSO Examination is designed to objectively measure essential knowledge, skills and abilities required of entry level Medical Laser Safety Officers. The examination consists of 100 multiple-choice questions. The time to complete these questions is three (3.0) hours.

CMLSO Requirements (Effective Sept, 2006, and subject to BLS change)

In addition to the successful completion of a proctored examination, applicants for NCLE Laser Certification as a Medical Laser Safety Officer must meet eligibility requirements to take the examination by evidencing:

1. Candidates must have a 4 year degree from an accredited institution **or** be a licensed medical professional **or** they may either have a 2 year AS degree or high school diploma and advanced education and training in their individual area of practice.
2. One (1) year of experience with laser safety or acting as LSO, having performed the specific responsibilities outlined in the ANSI Z136.3 *Safe Use of Lasers in Health Care Facilities* standard. (Note – those not having such experience may take the examination if they have completed a safety officer course, and will be a Certification Candidate until they have obtained the 1 year experience).
3. Two (2) reference statements or letters of recommendation from the applicant's supervisor and/or other knowledgeable person(s) stating that the applicant has performed the specific responsibilities of an LSO.
4. A certificate of completion of a Laser Safety Officer course. (In special cases, this requirement may be waived by the BLS upon application with supporting documentation.). Courses from The Laser Training Institute™ of Professional Medical Education Association (www.lasertraining.org) will qualify for both taking the examination, and ongoing maintenance of laser certification.

Applicants for the CMLSO exam who attend a training program of Professional Medical Education Association may complete the application at the time of the course. Other applicants should download application forms from the BLS website at www.LaserSafety.org and make application directly to the BLS.

APPLICANTS SHOULD REVIEW THE LATEST REQUIREMENTS FOR CMLSO FROM THE BLS.

CONTINUING COMPETENCY requirements for periodic re-certification is determined by the BLS and separate from the other NCLE Laser Certifications. Please review their website for such requirements.

CLA – Certified Laser Assistant (Medical/Surgical)

The CLA Examination is designed to objectively measure essential knowledge, skills and abilities required of entry level Laser Assistants in General Surgical areas such as hospital inpatient and outpatient surgeries, outpatient clinics and related clinic surgeries. The Laser Assistant is the person running the laser control panel of the laser for the physician who is applying it. They may be, but are not limited to, nurses, surgical techs, biomedical engineers, physician assistants, or others who have received appropriate training. The examination consists of 100 multiple-choice questions distributed among 8 major content areas: Fundamentals of Optics & Lasers, Laser Hazards to Eye & Skin, Laser Tissue Interactions, Laser non-beam

hazards, Class of Laser Hazard & controlled areas, Regulations & Standards, Administrative Controls, Procedural Controls. The time to complete these questions is three (3) hours. It is oriented toward medical/surgical environments.

CLA Requirements (Effective April 30, 2009)

In addition to the successful completion of a proctored examination, applicants for NCLE Laser Certification as a Laser Assistant must meet eligibility requirements by evidencing:

1. Applicants shall be 18 years of age or older
2. One year experience in a medical/surgical or nursing area (not necessarily laser related), such as inpatient or outpatient surgery, or similar experience in a clinic or physicians office.
3. Applicants shall satisfy ONE of the following background/educational requirements:
 - a. 4 year degree from an accredited institution,
OR –
 - b. Medically related degree or credentials in med/surg areas such as RN, CST, PA, etc
OR –
 - c. 2 year AS degree or high school diploma AND substantial experience in laser safety and/or laser operation,
4. Documented attendance of 4 hours or more (singularly or collectively) at formal Laser Medical and/or Safety courses including home study or distance learning.

CLHRP – Certified Laser Hair Removal Provider

This National Certification of the nonprofit International Aesthetic & Laser Association (IALA) is administered by the NCLE and joint effort of both organizations.

The CLHRP Examination is designed to objectively measure essential knowledge, skills and abilities required of entry level Laser Operators in Laser/IPL/RF (but not electrolysis) Hair Removal areas such as medical spas, physician offices, cosmetology and aesthetic centers, specific to Laser hair removal. The requirements are specifically designed to exceed all existing State training or experience requirements for licensing of laser hair removal providers, and therefore represent the highest standard of competency. The certification will require submission of a minimum number of clinical cases in order to meet the requirement for full certification, but applicants may sit for the examination once the academic training is acquired. The examination consists of 100 multiple-choice questions distributed among 8 major content areas: Fundamentals of Optics & Lasers, Laser Hazards to Eye & Skin, Laser Tissue Interactions (Specific to Skin & Hair, related to laser hair removal), Laser non-beam hazards, Class of Laser Hazard & controlled areas, Regulations & Standards, Administrative Controls, Procedural Controls. The time to complete these questions is three (3) hours. It is oriented toward specific Laser or IPL Hair Removal environments.

The CLHRP is a more limited type of certification than the CLO/A in that it specifically covers only laser safety and Laser and IPL Hair Removal. Those obtaining the CLHRP Certification and wishing to add the CLO/A Certification may do so by submitting evidence of an additional 8 hours of training and completion of an incremental 25 question exam to complete the CLO/A requirement.

CLHRP Requirements (Effective April 30, 2009)

In addition to the successful completion of a proctored examination, applicants for IALA/NCLE Laser Certification as a Laser Operator (Hair Removal) may meet eligibility requirements by evidencing:

1. Applicants shall be 18 years of age or older
2. Documented attendance of 16 hours or more (singularly or collectively) at formal Laser Hair Removal and/or Safety courses including home study or distance learning.
3. Submission of 20 clinical hair removal cases as follows:
(the exam may be taken after the course requirements are met and the applicant will obtain a Certificate as “Certification Candidate”, which may be converted to the full Certification once the clinical case requirement has been met and submitted)

- a. 10 Cases under the direct supervision of a more senior provider or physician who is in the room during these cases. If more than one type of device is used then 10 cases must be submitted for each TYPE of laser, IPL or RF unit. (cases need not be submitted for differing models of devices but only the type – i.e. Lasers, any IPL or any RF. Once the 10 case requirement is met on any one type of laser, i.e. Nd:Yag – then additional direct supervision is recommended for other laser types, i.e. alexandrite, diode, etc., but the number of cases is left to the discretion of the supervisor).
- b. 10 additional Cases (of any type) under indirect supervision of a more senior provider or physician who does not have to be in the room but is available in the building for consultation. This supervisor will review each client with the applicant before and/or after each case to assess the applicant's evaluation of and treatment choice(s) for the client.

An Advanced Certification of “Laser Hair Removal Supervisor” is available to those who subsequently submit an additional 80 cases of unsupervised hair removal treatments, for a total of 100 treatments.

CLO/A – Certified Laser Operator / Aesthetic

The CLO/A Examination is designed to objectively measure essential knowledge, skills and abilities required of entry level Laser Operators in aesthetic type medical practices or aesthetic/cosmetic business'. An Aesthetic Laser Operator utilizes lasers & IPL's, either under the supervision of a physician, or independently where allowed by law, to treat clients for benign cosmetic skin conditions and general noninvasive skin rejuvenation. They may be, but are not limited to, physicians, nurses, aestheticians, technicians, physician assistants, other physician extenders, or others who have received appropriate training.

The examination consists of 125 multiple-choice questions distributed among 8 major content areas: Fundamentals of Optics & Lasers, Laser Hazards to Eye & Skin, Laser Tissue Interactions (Specific to skin & dermatological laser use), Laser non-beam hazards, Class of Laser Hazard & controlled areas, Regulations & Standards, Administrative Controls, Procedural Controls. The time to complete these questions is three (3.5) hours. It is oriented toward aesthetic environments in dermatology and plastic surgery settings.

The CLO/A certification is generally oriented more toward medically related operators and is more encompassing than the specific and more limited CLHRP certification for hair removal. The CLO/A operator might be running equipment for a variety of dermatological laser procedures, whereas the CLHRP is specifically limited to laser hair removal. Those who wish to first obtain the CLHRP Certification may subsequently request the incremental 25 question test add the CLO/A Certification.

CLO/A Requirements (Effective April 30, 2009)

In addition to the successful completion of a proctored examination, applicants for NCLE Laser Certification as a Laser Operator (Aesthetic) must meet eligibility requirements by evidencing:

1. Applicants shall be 18 years of age or older
2. One year experience in an aesthetic or cosmetic practice setting, surgical or nursing area (not necessarily laser related), such as inpatient or outpatient surgery, dermatology or plastic surgery clinic, or similar experience in a private clinic or physicians office, OR have submitted 20 Laser or Light based cases for review.
3. Applicants shall satisfy ONE of the following background/educational requirements:
 - a. Dermatology Nurse Certified, (Dermatology Nurses Association Certification)
OR –
 - b. 4 year degree from an accredited institution,
OR –
 - c. Medically related degree or credentials in areas such as RN, CST, PA, Certified Aesthetician, etc
OR –

- d. 2 year AS degree or high school diploma AND experience in laser safety and/or operation, or in dermatological or plastic surgery health care services, that otherwise exceeds the requirements listed here..
OR-
 - e. Hold a Laser Hair Removal Certification from either the NCLE or SCMHR (Society for Clinical and Medical Hair Removal).
4. Documented attendance of 24 hours or more (singularly or collectively) at formal Medical Laser and/or Safety courses including home study or distance learning.

NCLE Laser Technology Certifications:

The NCLE Laser Technology Certification is intended to reflect an entry level of competency with specific laser or light based equipment, instruments and accessories as part of product training programs. These are oriented toward specific manufacturer products and reflect a nonprofit 3rd party review and approval of the adequacy of manufacturer training. In many cases these credentials may be used as an indication of having met hospital credentialing requirements for use of laser & related technology. Academic knowledge is verified through 3rd party proctored testing of the applicants at the conclusion of the training. Training content is reviewed for inclusion of content areas as recommended by the American Society for Laser Medicine & Surgery, and the American National Standards Institute Z136.3 standard which include basic Laser Biophysics and Energy Concepts, Tissue Interactions and Laser Safety. In addition the programs include product specific training on theory and techniques of use, indications, contra-indications and precautions for use as developed jointly by the manufacturer and NCLE. Program content includes both didactic presentations and hands-on orientation with the product(s).

The examination consists of 50 multiple-choice questions and is developed jointly by the NCLE and participating company to ensure that the content reflects both product specific information, and broader concepts in the areas discussed above. A 30 minute Exam Review session may be held prior to the examination, and the time to complete these questions is one (1) hour. Participants will know their test scores prior to leaving.

These technology certifications are not an indicator of clinical experience or competency, but do reflect a competent grasp of the theory and use of the designated technology, verified by a nonprofit 3rd party. NCLE Laser Technology Certifications are a one time Laser Certification and not subject to expiration. Renewals or continued competency are not required.

Because the Certification will depend upon the actual technology being utilized, Certificates will vary but will be product specific. An example of the heading on the Certificate would be:

<p>NCLE LASER CERTIFIED™</p> <p>Stephen Fuller, M.D., Ph.D. (Sample Only)</p> <p>Has been trained in and met the requirements for the NCLE Technology Certification in the:</p> <p><i>OmniGuide Fiber Enabled Surgical CO2 Laser System</i></p> <p>Date - Location</p>
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NCLE Laser Technology Certification Requirements (Effective March 1, 2009)

In addition to the successful completion of a proctored examination, applicants for NCLE Laser Certification as a Laser Operator (Aesthetic) must meet eligibility requirements by evidencing:

1. Applicants shall be 18 years of age or older
2. Applicants will have completed the accompanying training session at which the examination is given. (or have completed it's online/home-study equivalent)

3. Applicants must successfully complete the proctored written examination with a score of 70% or higher.

Education and Experience Requirements - Discussion

These requirements are stated under the NCLE Examination and Admissions policies for each class of Laser Certification. For the designations of Certified Laser Repair Technician, and Certified Medical Laser Safety Officer, the experience requirement is intended to include laser related work or background experience. For the designations of Certified Laser Operator - Aesthetic, the experience requirement is intended to reflect some background in their area of certification (surgical, dermatological or cosmetic) but does not necessarily include previous laser experience. This reflects the fact that laser operators may be trained to safely operate laser equipment without previous laser experience, provided that they are familiar with the environment and therapeutic practices in the area of their work. Note that no previous experience is required for the Laser Hair Removal Operator given that a significant clinical case reporting is required as part of the certification and this represents the experience.

Some sections of the policies indicate “that the experience level otherwise exceeds the requirements listed here”. This is intended to include individuals who otherwise might not meet the background requirements but do have substantial experience in the area that would make them eligible for the certification. The definition of how much additional experience is required is entirely in the judgment and discretion of the NCLE and its board members. It is included to make a provision for those individuals who truly have very substantial experience in the laser area of interest, but who do not meet the other requirements for Certifications. Applicants agree that all such decisions on the part of the NCLE as to the suitability of the experience requirement are partly subjective in nature and all such decisions made by the NCLE are final.

Documentation of work related experience may be provided by letters from supervisors or administrators indicating the length and area of experience. Documentation of educational and training programs may be provided by copies of Certificates from such programs. If the certificate does not include specific information on the hours of training or laser relevance, then a syllabus or brochure should accompany the Certificate. In-service sign-in sheets are also acceptable, provided it clearly indicates the topic and time frame.

Documentation of formal education or a credentialing designation such as RN, CBET, CST or certifications through JCAHPO, DNA, Aesthetic Certifications or similar certification organizations should be provided by copies of Certificates, Diplomas or letters granting such designations or educational degrees.

Continuing Competency Program Requirements & Re-Certification

Please note that the Continuing Competency requirements for the CMLSO program administered by the BLS is separate from the following requirements. Applicants should review those requirements at www.LaserSafety.org .

Certifications are valid for a period of three years, at which time they must be renewed by one of the following options and paying the required renewal fee.

All individuals credentialed by the NCLE beginning April 1, 2004 shall be required to participate in the Continuing Competency Program. Individuals credentialed prior to April 1, 2004 shall not be required to participate, and may choose to do so voluntarily, but their original credential shall remain in effect (This would apply only to the CLRT certifications prior to April 1, 2004). The policies governing the program follow:

- i. **Length of Initial Credentialing Period:** Effective April 7, 2000, all credentials issued by the NCLE will be awarded for a term of three years, calculated from the end of the calendar month in which the credential was issued. An exact expiration date will be contained on credentialing certificates, clearly indicating the requirement that the individual renew the credential through the Continuing Competency Program. Renewal of credentials for all individuals will occur during March of each year (or as determined by the NCLE) for ease of processing, and the initial credentialing period will be extended to coincide with this renewal date at no charge to the individual.
- ii. **Continuing Competency Program Options:** Individuals shall have the following three options from which to choose in renewing their credentials for an additional three years beyond their initial credentialing date:
 - a. **Provide proof of completion of a minimum of 24 hours of accredited Continuing Education (CE) acceptable to the NCLE.** Such accreditation may be physician CME credits, nursing accredited contact hours, or accredited programs through related organizations such as, but not limited to, JCAHPO (ophthalmic), DNA (dermatology), AAMI (biomedical), AEA (cosmetic / Electrology), LIA (industrial/commercial laser safety) LTI (Laser Training Institute of Professional Medical Education Assn) and other such organizations. A copy of a Certificate of Attendance will satisfy proof of this requirement. Alternative supporting documentation may also be provided such as letters from supervisors, sign-in sheets for facility provided inservice education, etc.

Continuing Education is defined as participation in an educational activity directly related to laser use or safety in the area of the Certification designation. It may include education in their field of application (nursing, aesthetics, etc) that does not have to be directly laser related, but is related to their professional field. It may include any one of the following.

- i. Lecture – a discourse given for instruction before an audience or through teleconference.
- ii. Panel – a presentation of a number of views by several professionals on a given subject with none of the views considered a final solution.
- iii. Workshop – a series of meetings for intensive, hands-on, study or discussion in a specific area of interest. This will include In-house laser training in institutions.
- iv. Seminar – a directed advanced study or discussion in a specific area of interest.
- v. Symposium – a conference of more than a single session organized for the purpose of discussing a specific subject from various viewpoints and by various presenters. This will include attendance at the annual scientific meeting of the American Society for Laser Medicine and Surgery.
- vi. Distance Education – includes such enduring materials as home study programs, text, internet or CD, provided the proponent has included an independently scored test and/or Certificate of Completion as part of the learning package.

It is the intent of the NCLE for this provision regarding completion of continuing education credit to coordinate with the requirements of state licensure agencies such that the individuals may use the same continuing education hours to satisfy state requirements as well as NCLE requirements. Since different professional areas may overlap NCLE credentials (nursing, biomedical engineers, administrators, surgical technicians, electrologists, cosmetologists, etc.) the requirements for each profession will of course vary from state to state, but it is the intent of the NCLE to allow such CE activities that may be best utilized by the applicant to meet both the NCLE and their own professional requirements.

Or

- b. **Retake the respective examination(s) for the certification being renewed, and achieve a passing score, or obtain a different NCLE Laser Certification** during that period, which will automatically renew the previous Certification.

Or

- c. **Obtain a letter from the applicant's Medical Director**, indicating that they have been working under supervision and ongoing training during this period, which will meet the continued competency requirement.

Individuals who hold NCLE credentials completed prior to April 1, 2004, and who pass an NCLE credentialing examination, not previously completed, after April 1, 2004, shall be required to participate in the Continuing Competency Program only for the credential achieved after April 1, 2004, and may voluntarily participate for all other credentials held. Credentials achieved prior to April 1, 2004 shall not be impacted by this program.

NCLE and State Licensing

The NCLE has adopted a policy of cooperation with states that have enacted legislation to regulate the practice and use of medical and/or aesthetic laser systems. It is the intent of the NCLE to structure the voluntary national credentials of Laser Certification so that it may effectively meet the laser portion of various state agency requirements for legal credentialing and licensing, aside from any additional clinical or educational requirements the agencies may have. This is particularly applicable to laser use in non-medical practices such as MediSpas, salons and laser hair removal clinics, since these areas may utilize non-physicians including technicians or aestheticians who would otherwise be regulated through medical licensure. Questions concerning legal credentialing and licensure should be directed to the responsible state agency.

If applying to the NCLE for the voluntary national credentials of Laser Certification, and also applying to a state agency for legal credentialing or licensure, **IT IS THE CANDIDATE'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED DOCUMENTS ARE SUBMITTED BOTH TO THE NCLE AND THE STATE AGENCY SEPARATELY AND INDEPENDENTLY.**

State officials wishing to discuss Laser Certification requirements and synchronization with specific State requirements should contact Gregory Absten, NCLE Board Chairman, through Professional Medical Education Assn at 305-851-8081. This process can simplify the administrative aspects of licensing and training verification for State Agencies.

APPLICATION PROCEDURES AND EXAMINATION POLICIES:

Filing Your Application and Notification of Eligibility

(Examinations for the BLS CMLSO examinations are administered separately, and applicants should refer to their website at www.LaserSafety.org. Applicants enrolled in courses of Professional Medical Education Association may complete the BLS application at the time of the training and need not make advance application, and may then take the examination at the course. All others must apply in advance to the BLS).

NCLE examinations are administered both in conjunction with affiliated training courses, and separately through Electronic Technicians Association International (ETA-Intl) at approximately 750 testing sites world wide. They are offered in conjunction with all training programs offered by Professional Medical Education

Association and other affiliated training programs with authorized proctors. For those taking courses with such affiliated courses, you may complete the exam at the time of the course and no advance application is required. There are no application deadlines and candidates who meet the admission requirements for an examination may submit their applications at any time. Applications are available online at www.LaserCertification.org under the “Applications” menu. Ineligible applications will be returned less a \$50 processing fee. Once the NCLE has validated the applicants eligibility to sit for an examination both the applicant and the ETA-Intl organization will be notified. Applicants may register as follows:

1. **Download application forms online. – www.LaserCertification.org**
Visit the NCLE website at www.LaserCertified.org to download an application online. Submit the completed application and wait for an immediate response from the NCLE. You should also print a copy of the “Candidate’s Handbook” to review certification eligibility requirements and details of the application process. You will either be notified of additional information required to complete the application process or you will be prompted to schedule your examination appointment.

Test site locations are available online at www.eta-i.org for all individuals who are subsequently notified of their eligibility for testing.

If you are taking a course with Professional Medical Education Association (The Laser Training Institute – www.LaserTraining.org), or other affiliated programs, applications will be provided at the time of the course and you may complete them there and take the examination at the conclusion of the course. You will have automatically qualified to take the written examination by attending the course, but may have additional experience requirements for full certification as explained in the candidate handbook.

2. **Mail/Fax/Email your application form. THIS IS A TWO-STEP PROCESS**
 - a. Complete all sections of the application form. Send it to the NCLE with the required documentation and examination fee (paid by credit card, check, cashiers check, purchase order or money order) to the address indicated on the form. If submitting a purchase order your eligibility will not be confirmed until the P.O. has been paid. The NCLE recommends using certified mail or a certificate of mailing and keeping your receipt as proof that your application was sent to the NCLE.
SEND TO: National Council on Laser Excellence
Mail: PO Box 997, Grove City, OH 43123
Fax: 614.455.9947
Email: Info@LaserCertification.org

Within approximately one week after receipt by the NCLE, the candidate’s application will be processed and a confirmation notice of eligibility sent to the candidate. Your email address is required to send your eligibility notice. Written notices will be sent only if the applicant has no email access. If eligibility cannot be confirmed, a letter explaining why the application is incomplete will be sent to the candidate. If you do not receive a confirmation of eligibility or an incomplete notice from the NCLE within four weeks after mailing your application, contact the NCLE at 800-435-3131. If your application is not on file, you will be asked to send a replacement application form and fee.

AND

- b. The email confirmation notice will contain a telephone number and website address for the ETA- International organization so that the candidate may schedule their examination with a proctor convenient to them. ETA-Intl will not allow applicants to schedule examinations unless they have been so notified of their eligibility by the NCLE.

Confirmation of a candidate's eligibility will be valid for a period of 90 days. If a candidate fails to schedule an examination appointment within the 90 day eligibility period, he or she will be required to reapply and resubmit the application fee.

All individuals are scheduled for examination appointments on a first-come, first-served basis. Refer to the chart below.

Fees: (April 2009 – subject to change)

TESTING FEES:

Application Fee – all examinations \$50, plus the test fee of;

First time Testing Fee – CLRT: \$245

First time Testing Fee – CLHRP: \$185

First time Testing Fee – CLO-A: \$185

(If taking the incremental CLO-A exam to add to the CLO-HR certification, then only \$100 total fee)

First time Testing Fee – CLA – \$185

First time Testing Fee – NCLE Laser Technology Certifications - \$185

(Companies providing this testing as part of their own training course may arrange a discounted flat fee for proctored testing of up to 40 participants – call Professional Medical Education Assn at 800-435-3131)

Retesting Fee: \$100, any exam (free if taking 2nd version of exam at same course setting)

Please note that the application and exam fees are frequently included in the course price for programs conducted by Professional Medical Education Association and no other fees are required.

OTHER FEES:

Renewal of Certification at end of each 3 year period - \$95 (pending continued competency completion)

Reissue of any Certificate - \$30

Verification of Credentials - \$30, and available only upon the request of the holder of the credential.

(Except that verification may be made directly to State Licensing Agencies if requested)

Transfer & Refund of Examination Fees

The NCLE's policies regarding transferring and/or refunding examination fees are:

- Candidates deemed ineligible to sit for an examination will receive a refund of their examination fee, less a \$50 processing fee for the application. Applicants are encouraged to review the requirements carefully in the Candidates Handbook prior to submitting an application.
- Candidates who do not schedule an examination appointment within 90 days from the date their eligibility is confirmed will forfeit their application and testing fee and must reapply and submit the fees. Exceptional circumstances will be considered by the NCLE.
- Candidates, who are hospitalized or experience a death in the immediate family that prevents them from attempting the examination, may transfer their examination fees and reschedule the examination appointment. This policy is strictly enforced, and proof of the candidate's hospitalization or a death in the immediate family is required.
- Candidates who fail to appear for an examination appointment will not be tested; they will not receive a refund and cannot transfer their fees to a future testing appointment. They will be required to submit another application and fee. After approval by the NCLE, the candidate may schedule another appointment for the examination. There is no limit to the number of times an individual may attempt the examination, nor a minimum waiting period before reexamination. Individuals who are late for an appointment for an examination may still take the examination, but

no additional time will be allowed for the exam. For example if an applicant is 30 minutes late for an appointment, then the time allotted for the test is 30 minutes less than the published time. In other words the clock starts ticking at the scheduled time.

Assessment Center Facilities / Locations

Assessment Centers have been selected to provide accessibility to the most candidates in all states and major metropolitan areas, and many countries worldwide. Specific ETA-Itl Test Sites are available on their website on the specific page <http://www.eta-sda.org/cgi-bin/db/ca.cgi>.

The NCLE and the testing agency are concerned with providing the best assessment center facilities possible for candidates attempting NCLE examinations.

Testing is also offered in conjunction with courses offered by Professional Medical Education Association and affiliated training programs. Look for the NCLE Laser Certification information in course promotional materials.

Inclement Weather

In the event of inclement weather, other acts of God or unforeseen emergencies on the day of an examination, the NCLE and ETA-Itl will determine whether circumstances warrant the cancellation, and subsequent rescheduling, of an examination at a particular Testing Site. The examination will usually not be rescheduled if the supervisor is able to open the Testing Center.

Every attempt will be made to administer all examinations as scheduled. However, should an examination be canceled at a Testing Site, all scheduled candidates will be contacted about rescheduling their examinations at no additional charge to the candidate.

Release of Information

The NCLE and its testing agency are committed to protecting the confidentiality of candidates' records and have adopted policies to ensure their privacy. Information about candidates for credentialing and their examination results are not released by telephone under any circumstances. However, nothing in these policies prohibits transfer of data in the custody of the testing agency to the NCLE. Candidates' test results and credentialing status may be released to state licensure agencies. Pursuant to specific authorization, an individual's examination results may be released to the accredited education program entered on the application by the candidate.

Once a candidate has successfully completed the Laser Certification requirements, their status as a NCLE Laser Certified™ individual will be posted on the NCLE website. However, no specific test results, background information, or status of failing examinations, will be posted on the website.

Cancellation of Scores

The NCLE and the testing agency are concerned with reporting only valid scores. On rare occasions, circumstances may make test scores invalid. The NCLE and/or the testing agency reserve the right to cancel or withhold any test scores if, in their sole opinion, there is cause to question the validity of the scores. Scores declared invalid and canceled by the NCLE and/or testing agency may be grouped into two categories:

1. Doubts may be raised about the validity of candidates' scores because of suspected misconduct; in such circumstances, candidates are to cooperate in the investigation of their scores. If scores are cancelled because of suspected candidate misconduct, the NCLE will investigate such matters to determine if candidates will be eligible for retesting.
2. Some scores may be rendered invalid because of circumstances beyond the candidates' control, such as mistiming. The testing agency will investigate such situations. When such occurrences result in canceling candidates' scores, the NCLE is notified that there are no reportable scores for reasons beyond the candidates' control. In this event, the testing agency arranges a free make-up examination for all candidates concerned.

In addition to the reasons listed in this section, the NCLE may cancel or invalidate examination results if, upon investigation, violation of NCLE policies outlined in this publication are found to have been committed.

Inactive Eligibility Records

An application on file in the NCLE Office shall be considered inactive after a period of 90 days has elapsed since the applicant was notified of their eligibility to schedule an examination, without the applicant having scheduled such an examination or providing any indication of a desire to attempt an examination. When a file is inactivated, all application fees shall be forfeited and the candidate shall be required to submit a new application and fee and to provide documentation of eligibility under current admission policies to re-enter the NCLE examination system.

NCLE Judicial and Ethics Policies

Applications for NCLE examinations or certification may be refused or revoked if the NCLE receives evidence to indicate applicants or NCLE Laser Certified™ individuals may have committed any of the following violations:

1. Obtaining or attempting to obtain Certification, or Recertification, by fraud, deception, or artifice.
2. Knowingly assisting another person or other persons in obtaining or attempting to obtain Certification or Recertification by fraud, deception or artifice.
3. Unauthorized use of a NCLE Certification designation or falsification of credentials or any other NCLE documents. This includes previous public claims of "Laser Certification" of any type, when no legitimate basis for any Laser Certifications exist.
4. Unauthorized possession and/or distribution of any official NCLE testing or examination materials to include copying and/or reproduction of any part of NCLE examination questions or problems
5. Credentialed practitioners and/or examination candidates may be disciplined for offenses, directly related to their practice of Laser related health care or aesthetics which gives cause to question the individual's ability to practice in a safe and competent manner. Such offenses include but are not limited to:
 - a. Conviction in a court of law, after all appeals have been exhausted, of a drug or alcohol-related offense in connection with the individual's practice related to laser or light source use.
 - b. Conviction in a court of law, after all appeals have been exhausted, of a job related offense indicated the individuals intentional negligence and/or purposeful misconduct that results in endangering the health and/or safety of a patient.
 - c. Conviction in a court of law, after all appeals have been exhausted, of an act of physical violence (murder, assault, rape, robbery, etc.) that would cause question as to the individuals ability to appropriately interact with patients and others on the job in health care.

- d. Revocation or denial of a license to practice in their professional field (nursing, surgical assistant, ophthalmology assisting, endoscopy assistant, cosmetologist, Electrologist, certified aesthetician, biomedical engineering, or another health related profession, by an authorized state agency due to:
 - 1) A drug or alcohol-related offense in connection with the individuals practice.
 - 2) A job-related offense indicating the individual's intentional negligence and/or purposeful misconduct that results in endangering the health and/or safety of a patient.
 - 3) An act of physical violence (murder, assault, rape, robbery, etc.) that would cause question as to the individual's ability to appropriately interact with patients and others on the job.
 - a. Use of any authorized designation (CLSO/M, CLA, CLO/A, CLHRP, CLRT, NCLE Laser Certified, National Council on Laser Excellence) in any unauthorized manner, including, but not limited to, disparaging usage or usage for commercial gain, other than to recognize the individuals' legitimately earned credentials.
6. Noncredentialed practitioners and/or potential examination candidates, who improperly utilize the NCLE name or certification designations without proper authorization, will be barred from making any future application for legitimate NCLE credentials or use of the NCLE name, in addition to any other legal remedies which may be available to the NCLE or Professional Medical Education Association, Inc.
 7. Unethical conduct or practices in their professional field or laser related applications that would reflect poorly upon the reputation of the NCLE as a credentialing body. Actions taken by the NCLE may include revocation of credentials for those already Certified, or barring from future Certification or membership for those not already Certified.

If the NCLE determines that any evidence warrants additional consideration, applicants will be notified and will have an opportunity to present information on their behalf. Upon receiving information from all parties involved, the NCLE will either issue a decision or recommend that a formal hearing be conducted and a final decision made by a Judicial and Ethics Committee appointed by the NCLE board. All decisions made by the NCLE are final.

The Day of the Test

Professional Medical Education Association and other affiliated Courses and NCLE proctors:

You may complete an application at the time of the course and submit it with your exam at the conclusion of the course. You are encouraged to review the requirements in the candidate handbook prior to attending the course, and to study the Certification Review Outlines which are available free on the website.

ETA International authorized testing locations:

Report to the ETA-Intl or other authorized Test Site no later than your scheduled testing time. If you do arrive late you will be allowed to take the examination, but no additional time will be provided for the examination. Candidates are encouraged to arrive 15 minutes early.

To gain admission to the assessment center, a candidate needs to present two forms of identification, one with a current photograph. Both forms of identification must be current and include the candidate's current name and signature. The candidate will also be required to sign a roster for verification of identity.

Bring two pieces of identification including one of the following:

1. drivers license with photograph
2. state identification with photograph
3. passport
4. military identification card with photograph

The second form of identification may just display your name and signature for signature verification. You must present proper identification to gain admission to the Testing Site.

Note: A temporary driver's license or any other temporary form of identification (e.g., employment and student ID cards) are not acceptable.

After your identification has been approved, and the authorization verified by the NCLE / ETA-Intl, you will be admitted for testing.

Security

The NCLE and the testing agency maintain test administration and test security standards that are designed to assure that all candidates are provided the same opportunity to demonstrate their abilities and to prevent any candidates from gaining an unfair advantage over others due to testing irregularities or misconduct. The Testing Site will be continuously monitored for security purposes.

Rules for Examination

1. You may wish to take your watch to the examination to help pace yourself during the test. The testing proctor will ensure that you are given the actual amount of time allotted for your examination.
2. No personal belongings, including notes, purses, briefcases, books, papers, dictionaries or other reference materials may be taken into the examination room. (Candidates should leave all personal belongings, such as purses, hats, etc., in their automobiles). You may wear a watch. You may use a calculator but these are generally not needed for any NCLE Laser Certification exam.
3. No electronic devices are permitted in the testing center, including Telephones, PDA,s , Cameras, or signaling devices such as pagers and alarms.
4. No documents or memoranda of any kind are to be taken from the examination room.
5. No questions concerning the content of the examination may be asked of the supervisor during the test.
6. Your proctor may allow you to leave the room to take a break at any time, but you will not be allowed additional time to make up for time lost. This is up to the discretion of the individual proctor and their ability to maintain security over the examination.
7. The supervisor of the examination may dismiss a candidate from a test for any of the following reasons:
 - a. If the candidate's admission to the test is unauthorized by the NCLE
 - b. If a candidate creates a disturbance, is abusive or otherwise uncooperative
 - c. If a candidate gives or receives help or is suspected of doing so,
 - d. If a candidate attempts to remove test materials or notes from the testing room, or attempts to copy, photograph or transmit test material.
 - e. If a candidate attempts to take the test for someone else. (Both individuals will thereby be barred from eligibility for any NCLE Certifications or membership.)
1. Each person will be provided with one sheet of scratch paper (or the use of the backside of the large envelope which contains the test) to use during the examination. This paper must be returned to the supervisor at the completion of testing, or you will not be allowed to receive a score report. No documents or notes of any kind may be removed from the examination room. All questions, paper and written materials are the copyrighted material of the NCLE and may not be reproduced in any form.

Timed Examinations

The following time limits will be in effect for NCLE examinations:

CLRT:	4 hours, to include 155 questions.
CLA and CLHRP	3 hours, to include 100 questions
CLO/A:	3.5 hours, to include 125 questions (The incremental CLO/A test is 25 questions for which 45 minutes is allotted)
NCLE Laser Technology	1.0 hours, to include 50 questions

The proctor will monitor the time you spend on the examination. The examination will terminate at the allotted time limit, whether you arrived late for the scheduled time or not.

Finishing the Examination

The minimum passing level (MPL) on NCLE multiple-choice examinations has been established as a PASSING SCORE of 70%. (70 correct answers on the 100 question test, 88 correct answers on the 125 question test, 108 correct answers on the 155 question tests and 18 correct answers on the 25 question incremental test)

Passing the Examination

Successful candidates will receive the appropriate NCLE credential. All will be credentialed NCLE LASER CERTIFIED™. The national credentials and any designated acronym are listed below. Your date of credential will be listed as the date you passed the respective examination(s):

- CLRT – Certified Laser Repair Technician
- CMLSO – Certified Medical Laser Safety Officer (BLS)
- CLA – Certified Laser Assistant (Medical/Surgical)
- CLHRP – Certified Laser Hair Removal Provider (IALA)
- CLO/A – Certified Laser Operator / Aesthetic

On about the 15th day of the month following your successful completion of the examination, the NCLE will mail your certificate, and wallet card. You will receive active NCLE membership for the calendar year following the date of the examination. Your name will appear on the NCLE Certification Registry on the NCLE website.

In successive years, credentialed individuals can renew their status and maintain active membership by submitting the annual renewal forms mailed by the NCLE each year or can renew online by visiting www.LaserCertification.org. The requirements for active membership are submission of a renewal form every three years and payment of the required fee. Continuing Education, discussed in a previous section of this handbook, is also a requirement for maintaining active Certification status and renewal.

Failing the Examination

Failing candidates may repeat an examination by submitting a reapplication form and the appropriate retesting fee. There are no waiting periods between attempts for the NCLE examinations.

In some selected training courses offered by Professional Medical Education Association and affiliated training programs, where the examination is offered at the conclusion of the course, individuals failing the

examination may take a short break and then retake a second version of the examination if they so desire. This is dependent upon the discretion of the course supervisor / NCLE proctor at the program.

EXAMINATION PREPARATION

Test General

To begin your preparation in an informed and organized manner, you should know what to expect from the actual examination in terms of the content areas tested. The detailed content outlines in the examination supplements enclosed with this handbook describe the content areas covered on each examination. The matrix can be used to get a general impression of the examination, and with closer inspection, can give you specific study direction. For example, you can determine the relative importance of each content area on the examination by reviewing the number of items in each section. The detailed content outline presents the specific content areas available for testing.

Study Suggestions

Candidates should remember that the questions on NCLE credentialing examinations are job-related; They are not designed to test the recall of isolated facts or the basic information presented in specific courses of the curriculum for lasers in health care education programs.

Professional Medical Education Assn¹ (PME) publishes accredited Laser Certification Preparation home study/online programs to assist candidates in studying for these examinations. They include a written course manual, online narrated lectures including embedded videos, and a specific certification review outline for study purposes. PME also offers accredited Laser Courses, Seminars and Workshops that include sessions at the conclusion of the courses for Laser Certification Review, and administration of the Certification exam. Consult the www.LaserTraining.org website for details.

Certification review outlines are available free of charge on the www.LaserCertification.org website under the “Study Materials” page. Candidates are encouraged to study these outlines thoroughly prior to taking an examination.

Study Resources

A variety of publications and courses are currently available to assist candidates in preparing for credentialing examinations of the NCLE. Candidates should consult the following websites:
www.LaserCertification.org – the National Council on Laser Excellence – The website includes a more complete list of other training groups, along with website links and phone numbers.
www.ASLMS.org – the American Society for Laser Medicine and Surgery
www.LaserTraining.org – The Laser Training Institute of Professional Medical Education
<http://InternationalLaserAssociation.org> – International Laser & Aesthetic Association
www.LaserInstitute.org – Laser Institute of America – an Industrial laser based organization who manages the Board of Laser Safety (BLS).
www.LaserSafety.org – Board of Laser Safety of the Laser Institute of America. Administers the Certified Medical Laser Safety Officer credential.

¹ The National Council on Laser Excellence is a certification board of the not for profit Professional Medical Education Assn, inc., est. 1978. www.LaserTraining.org